

We Claim:

1. A non-toxic mucosal disinfectant composition of homogeneously mixed components for topical application in the nose, comprising:

an isopropyl alcohol component of at least 50% by weight;

a sesame oil component not exceeding 45% by weight;

a lemon oil or lemon balm component not exceeding 3% by weight, for supplementing and neutralizing a dehydrating effect of said alcohol; and

an aloe or aloe derivative component not exceeding 10% by weight.

2. The disinfectant composition according to claim 1, wherein said aloe component is aloin with emodin.

3. The disinfectant composition according to claim 1, wherein said sesame oil component is approximately 41% by weight, said lemon oil or lemon balm component is approximately 2% by weight, and said aloe or aloe derivative component is approximately 5% by weight.

4. The disinfectant composition according to claim 1, which further comprises approximately 0.5 to 2% by weight grapefruit seed extract and approximately 0.5 to 2% by weight chlorhexidine gluconate.

5. The disinfectant composition according to claim 1, wherein said isopropyl alcohol is at least 91% pure isopropyl alcohol.

6. The disinfectant composition according to claim 1, which comprises the following formula, in % by weight:

- 50% isopropyl alcohol
- 2% lemon oil
- 5% pure aloe gel 5-10% ok
- 2% chlorhexidine gluconate
- 41% sesame oil.

7. The disinfectant composition according to claim 1, which comprises the following formula, in % by weight:

- 50% isopropyl alcohol (70-99%)
- 41% sesame oil
- 5% aloin
- 2% lemon oil or lemon balm
- 1% grapefruit seed extract
- 1% chlorhexidine gluconate.

8. The disinfectant composition according to claim 1, wherein said isopropyl alcohol component ranges from about 50 to 75% by weight, and said sesame oil component ranges from about 24.9% to 45% by weight.

9. The disinfectant composition according to claim 1, wherein the composition has an effective treatment life of at least eight hours and a shelf life of at least two years.

10. A disinfectant composition for treatment of an infection for topical application in the human nose, comprising:

an isopropyl alcohol component of at least 50% by weight;

a sesame oil component not exceeding 45% by weight;

a lemon oil or lemon balm component not exceeding 3% by weight, for supplementing and neutralizing a dehydrating effect of said alcohol; and

an aloe or aloe derivative component not exceeding 10% by weight.

11. The disinfectant composition according to claim 10, wherein said aloe component is aloin with emodin.

12. The disinfectant composition according to claim 10, wherein said sesame oil component is approximately 41% by weight, said lemon oil or lemon balm component is approximately 2% by weight, and said aloe or aloe derivative component is approximately 5% by weight.

13. The disinfectant composition according to claim 10, which further comprises approximately 0.5 to 2% by weight grapefruit seed extract and approximately 0.5 to 2% by weight chlorhexidine gluconate.

14. The disinfectant composition according to claim 10, wherein said isopropyl alcohol is at least 91% pure isopropyl alcohol.
15. The disinfectant composition according to claim 10, wherein the composition has an effective treatment life of at least eight hours.
16. The disinfectant composition according to claim 10, which comprises the following formula, in % by weight:
- 50% isopropyl alcohol
  - 2% lemon oil
  - 5% pure aloe gel 5-10% ok
  - 2% chlorhexidine gluconate
  - 41% sesame oil.
17. The disinfectant composition according to claim 10, which comprises the following formula, in % by weight:
- 50% isopropyl alcohol (70-99%)
  - 41% sesame oil
  - 5% aloin
  - 2% lemon oil or lemon balm
  - 1% grapefruit seed extract
  - 1% chlorhexidine gluconate.